

# SCHEDULE

## FRIDAY, OCTOBER 20, 2006

- 12:15 Registration  
12:45 Welcome  
Ernesto Salcedo, MD  
Shawn Popylisen, RDCS
- 1:00-1:45 Review of challenging cases  
Frederick Masoudi, MD  
Hands on review stations  
Live Demonstrations
- 2:00-2:45 Review of challenging cases  
Lawrence Hergott, MD  
Hands on review stations  
Live Demonstrations
- 2:45-3:15 Questions and Answers
- 3:15-4:00 Review of challenging cases  
William Baker, MD  
Hands on review stations  
Live demonstrations
- 4:00-4:45 Review of challenging cases  
Thomas Ratts, MD  
Hands on review stations  
Live Demonstrations
- 5:00-5:45 Echo Quiz  
Ernesto Salcedo, MD
- 6:00 Wine and Cheese
- Live Demonstrations**  
Normal subjects and patients will be used as models to illustrate basic and advanced Echocardiographic techniques.
- Review Stations**  
Individual work stations will be assigned to each participant to analyze digitally archived echo studies.
- Challenging Cases**  
Interactive group discussion of interesting echo cases.
- Echo Quiz**  
Test your pre-conference echo knowledge. Immediate feedback and discussion.

- 8:10 The central role of the sonographer in the modern Echo Laboratory  
Shawn Popylisen, RDCS
- 8:30 Echo/Doppler techniques in the management of patients with heart failure  
Simon Shakar, MD
- 9:50 Role of echocardiography in patients with end-stage heart failure  
JoAnn Lindenfeld, MD
- 9:10 Contemporary Echo-Doppler evaluation of dyssynchrony  
John Gorcsan, MD
- 9:40 Questions and Answers
- Robert Quaife, MD - Moderator**
- 10:30 An introduction to 3D Echocardiography  
Roberto Lang, MD
- 11:00 3-D Echocardiography- the complete and the targeted study.  
Ernesto Salcedo, MD
- 11:30 3-D assessment of valvular heart disease  
Roberto Lang, MD
- 12:00 Questions and Answers
- 12:30 Lunch
- JoAnn Lindenfeld, MD - Moderator**
- 1:30 Real time myocardial contrast perfusion imaging  
Thomas R Porter, MD
- 2:00 Current applications of transesophageal Echocardiography  
Andreas Brieke, MD
- 2:30 Congenital heart disease in the adult - the role of Echocardiography  
Joseph Kay, MD
- 3:00 Questions and Answers
- Berton Groves, MD - Moderator**
- 3:45 Percutaneous interventions in valvular and congenital heart disease  
Ivan Casserly, MB, BCh
- 4:05 The role of Echocardiography in assisting percutaneous interventions  
Robert Quaife, MD
- 4:30 Alcohol septal ablation for hypertrophic obstructive cardiomyopathy  
Bertron Groves, MD
- 4:50 Role of Echocardiography in assisting alcohol septal ablation  
Ernesto Salcedo, MD
- 5:10 Questions and Answers
- 5:30 Adjourn

## SATURDAY, OCTOBER 21, 2006

- 7:15 Registration/Continental breakfast/Visit exhibits
- 7:50 Welcome  
Jeff Woods, MHA, DrPH  
Executive Director of the Cardiac and Vascular Center
- Ernesto Salcedo, MD - Moderator**
- 8:00 Welcome and Introduction  
Ernesto Salcedo, MD

# GENERAL INFORMATION

## LOCATION

University of Colorado at Denver and Health Sciences Center, Ninth Avenue Campus, Denison Auditorium, 4200 East Ninth Avenue, Denver, Colorado

## HOUSING ACCOMMODATIONS

We have arranged housing at the following properties (on a space available basis). Please contact these hotels directly and be sure to indicate you are with the University of Colorado when making your reservations:

**Homestead Studio Suites Hotel** - 4444 Leetsdale Drive, Glendale, CO 80246, 303-388-3880

**Four Points by Sheraton Denver Cherry Creek** - 660 S. Colorado Blvd., 303-757-3341

**Staybridge Suites** - 4220 E. Virginia Ave., 303-321-5757

**Hampton Inn and Suites** - 4150 E. Kentucky Avenue, 303-692-1800

**Holiday Inn Select** - 455 South Colorado Blvd., 303-388-5561

For alternative accommodations, please visit [www.denver.org](http://www.denver.org) and click on "Maps and Facts" or call Colorado Reservations Service at 1-800-462-5280

## PARKING FACILITY

Parking is available at the Health Sciences Center - Ninth Avenue Campus 11th and Colorado Blvd. parking structure. To enter the structure turn east off of Colorado Blvd, the entrance is on your right side, you will be given a parking token at the conference for your exit. Check with website for directions.

## HIGH ALTITUDE TIPS

**To minimize or avoid the effects of high altitude:**

- ▲ Increase your water consumption. Use a water bottle so you have water handy during walks between venues and so forth.
- ▲ Go easy on alcohol; high altitude can heighten the effects of alcohol, smoking and tranquilizers.
- ▲ Pace yourself. Don't overexert. If you tire more easily than usual, take a brief rest. Use judgment in engaging in moderate or intense levels of exercise until acclimatized.
- ▲ Check with your physician about the use of acetazolamide in preventing altitude sickness or any other issues you may have.

## MEETING ETIQUETTE

Due to allergic reactions of some participants, we ask you to refrain from wearing perfume or after shave in all conference venues.

## CELL PHONE, PAGERS

Make sure that your Cell Phone and/or Pager are on **VIBRATE** and that you take the call outside the Auditorium or Workshop.

## FOR MORE INFORMATION

Please phone the Office of Continuing Medical Education, University of Colorado School of Medicine at 1-800-882-9153, 303-372-9063 or fax 303-372-9065 or visit our website at [www.uchsc.edu/cme](http://www.uchsc.edu/cme) or email [susan.morrison@uchsc.edu](mailto:susan.morrison@uchsc.edu); Susan Morrison, Conference Manager

# REGISTRATION

Last Name \_\_\_\_\_ First Name \_\_\_\_\_ MI \_\_\_\_\_

*(Print name as you would like it to appear on your CME certificate)*

Degree:  MD  DO  PhD  PA  RDCS  RCS  Other

Address \_\_\_\_\_

Zip \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

Office Phone \_\_\_\_\_ Fax Number \_\_\_\_\_ Email \_\_\_\_\_

	<u>Friday only</u>	<u>Saturday only</u>	<u>Friday/Saturday</u>
Physicians	\$75	\$200	\$275

Allied Health Professionals and Physicians in Training (need letter)	\$75	\$125	\$200
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Enclosed is my check made payable to the University of Colorado School of Medicine or:

Visa  MasterCard Credit card number \_\_\_\_\_ Exp. date \_\_\_\_\_

Signature \_\_\_\_\_

Please indicate if you have any special assistance needs \_\_\_\_\_

**Detach and mail to:**  
CME-UCDHSC-ECHO  
4200 East Ninth Avenue, C-295  
Denver, CO 80262

CME offers on-line registration for all conferences. Go to the web site: [www.uchsc.edu/cme](http://www.uchsc.edu/cme) and click on the "Register Now" button. From this point registration can be made for this conference. Payment by Visa or MasterCard is required to register online. This site uses industry-standard Secure Sockets Layer (SSL) encryption technology to protect your credit card information.

# Echocardiography

## Recent Advances

**October 20-21, 2006**  
 University of Colorado at Denver  
 and Health Sciences Center  
 Denison Auditorium  
 4200 East Ninth Avenue  
 Denver, Colorado

Presented by  
 Division of Cardiology  
 University of Colorado School of Medicine  
 Sponsored by  
 University of Colorado School of Medicine  
 Office of Continuing Medical Education



This program is a part of the Colorado Statewide  
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 Continuing Medical Education  
 4200 E. 9th Avenue, C295  
 Denver, Colorado 80262

University of Colorado at Denver and Health Sciences Center

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## FACULTY

### Program Director

Ernesto E. Salcedo, MD, FACC,  
 FAHA, FACP, FASE  
 Associate Professor of  
 Medicine  
 Director of Echocardiography  
 University of Colorado  
 Hospital

### Guest Faculty

Thomas R. Porter, MD, FACC,  
 FASE  
 Professor of Medicine  
 Director, Echocardiography  
 Laboratory  
 University of Nebraska Medical  
 Center

John Gorcsan III, MD, FACC,  
 FAHA, FACP, FASE  
 Professor of Medicine  
 Director of Echocardiography  
 University of Pittsburgh

Roberto M. Lang, MD, FACC,  
 FAHA, FESC, FASE  
 Professor of Medicine  
 Director, Noninvasive Cardiac  
 Imaging Labs  
 Director, Cardiology Fellowship  
 Program  
 University of Chicago Hospitals

### University of Colorado Faculty

William Baker, MD  
 Associate Professor of  
 Medicine  
 Director, CCU Denver Health  
 Medical Center

Andreas Brieke, MD  
 Assistant Professor of Medicine

Ivan P. Casserly, MB, BCh  
 Assistant Professor of Medicine  
 Director of Interventional  
 Cardiology, Denver VA Medical  
 Center

Bertron M. Groves, MD  
 Professor of Medicine

Lawrence Hergott, MD  
 Associate Professor of Medicine  
 Director, General Cardiology

Joseph D. Kay, MD  
 Assistant Professor of Pediatric  
 and Adult Cardiology  
 Director of the Adult  
 Congenital Heart Program at  
 UCH

JoAnn Lindenfeld, MD  
 Professor of Medicine  
 Director, Heart Transplantation  
 Program

Frederick A. Masoudi, MD,  
 MSPH, FACC  
 Associate Professor of  
 Medicine, Director  
 Echocardiography  
 Denver Health Medical Center

Robert Quaife, MD  
 Associate Professor of  
 Medicine

Thomas Ratts, MD  
 Clinical Associate Professor of  
 Medicine

Simon Shakar, MD  
 Assistant Professor of Medicine

Jeff Woods, MHA, DrPH  
 Executive Director of the  
 Cardiac and Vascular Center

Shawn Popylisen, RDCS  
 Program Coordinator

Doris Peterson, RDCS  
 Echo Lab Supervisor

Cardiac Sonographers  
 Stephen Belcher, RDCS  
 Aaron Blanford, RCS  
 Jody Franklin, RCS  
 Andrea Lewis, RDCS  
 Marc Theberge, RDCS  
 Pam Weber, RDCS

## OVERVIEW

This 1.5 day conference is a comprehensive overview of state of the art echocardiography with an emphasis on new technologies. The conference is targeted toward cardiologists, cardiac sonographers, and nurses interested in the clinical applications of echocardiography. Participants will be able to do live scanning with various ultrasound systems which carry the newest in technology. Sessions with individual workstations for 3-D analysis and quantification, tissue Doppler, and strain will be held. In addition there will be interpretation of interesting echo/Doppler studies with experts.

A strong line up of speakers will address new technologies in echocardiography including 3-D echo, dyssynchrony, perfusion imaging, and echo support for interventional procedures.

### COURSE LEARNING OBJECTIVES

Upon completion of this program, attendees should be able to:

- Be familiar with new technologies including 3-D imaging, tissue Doppler imaging, dyssynchrony.
- Recognize the imaging techniques and protocols for echo guided interventional cath procedures.
- Apply imaging techniques in heart failure, TEE, and congenital heart disease.
- Comprehend computer manipulation of 3-D data sets and strain rate imaging.

### ACCREDITATION

The University of Colorado School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Colorado School of Medicine designates this educational activity for a maximum of 9.5 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This conference has been approved by the Society of Diagnostic Medical Sonographers (SDMS). The American Registry of Diagnostic Medical Sonographers recognizes credits awarded by the SDMS for sonographer continuing education. The University of Colorado Health Sciences Center has determined this course meets criteria for 8.5 hours (2 hrs on Fri; 6.5 hrs on Sat).

### REGISTRATION FEES

Fees include refreshments, syllabus materials and a non-refundable administrative fee of \$40. All fees are due in advance; registration will NOT be accepted without payment. Only registrations with credit card payments will be accepted by fax, phone and one line. For immediate confirmation of your conference registration, register on-line at [www.uschsc.edu/cme](http://www.uschsc.edu/cme). Click on the "Register Now" button.

	Friday only	Sat. only	Friday/Sat.
Physicians	\$75	\$200	\$275
Allied Health Professionals & Physicians in Training (need letter)	\$75	\$125	\$200

### CANCELLATIONS

The full course tuition is refundable, less a \$40 administrative fee, if your cancellation is received in writing prior to October 12, 2006. (The \$40 administrative fee is non refundable regardless of reason for cancellation). No refunds will be granted after this time or for non attendance. The conference committee reserves the right to cancel this conference in the event of an unforeseen circumstance or if the minimum acceptable registration is not attained. In the event of a cancellation, the Office of CME is obligated to refund the registration fee only.

